

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	926	438/106,123,611,613,612,110,113,108,117,127,614,640,627. ccls. and bump and (barrier) and @ad<="20030218"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/17 12:52
L2	571	438/106,123,611,613,612,110,113,108,117,127,614,640,627. ccls. and bump and (barrier) and (metal adj (layer or film)) and @ad<="20030218"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/17 14:05
L3	138	(semiconductor and bump and (barrier) and (metal adj (layer or film))).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/17 14:12
L4	69	(semiconductor and bump and (barrier) and (metal adj (layer or film))).clm.	US-PGPUB	OR	ON	2006/03/17 14:07
L5	3372	(438/106).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/17 14:29
S36	16	((("20040253756") or ("20040029364") or ("6800946") or ("6716666") or ("6683663") or ("6665044") or ("6590346") or ("6410366") or ("6521489") or ("6737364") or ("20040137660") or ("6682956") or ("6730589") or ("6475896") or ("6762107") or ("20030096449") or ("20040137660"))).PN.	US-PGPUB; USPAT	OR	OFF	2006/01/10 08:31
S37	1283	(438/613).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/06 10:39

## EAST Search History

S38	3104	(438/106).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/17 14:29
S39	1254	(438/123).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/25 07:38
S40	292	(438/611).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/25 07:38
S41	2532	(438/612).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/25 07:38
S42	9	438/106,123,611,613,612,110, 113,108,117,127,614,640,627. ccls. and inkjet and capacitor and @ad<="20030218"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/25 07:39
S43	9	438/106,123,611,613,612,110, 113,108,117,127,614,640,627. ccls. and inkjet and capacitor and @ad<="20030218"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/06 10:40
S44	972	(438/239).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/25 07:39
S45	404	(438/250).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/25 07:39

## EAST Search History

S46	2173	(438/257).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/25 07:39
S47	149	(438/260).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/25 07:39
S48	449	(438/393).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/25 07:40
S49	1489	438/239,250,257,260,393.ccls. and capacitor and @ad<="20030218"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/25 07:40
S50	1402	(438/613).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/06 10:39
S51	921	438/106,123,611,613,612,110, 113,108,117,127,614,640,627. ccls. and bump and (barrier) and @ad<="20030218"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/17 12:51
S52	568	438/106,123,611,613,612,110, 113,108,117,127,614,640,627. ccls. and bump and (barrier) and (metal adj (film or layer)) and @ad<="20030218"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/06 10:42
S53	1	("3105869").PN.	US-PGPUB; USPAT	OR	OFF	2006/01/09 10:37
S54	2	((("3105869") or ("3244947")).PN.	US-PGPUB; USPAT	OR	OFF	2006/01/09 09:49

# EAST Search History

S55	184	(( "20010011764" ) or ("20010020745" ) or ("20010042918" ) or ("20020000665" ) or ("20020056742" ) or ("20020079576" ) or ("20020086520" ) or ("20020093098" ) or ("20020096764" ) or ("20020197842" ) or ("20030000738" ) or ("20030060040" ) or ("20030107137" ) or ("20030143830" ) or ("20030124833" ) or ("20030143830" ) or ("20040053483" ) or ("3105,869" ) or ("3244,947" ) or ("3259,814" ) or ("3274,458" ) or ("3316,465" ) or ("3458,925" ) or ("3461,357" ) or ("3489,965" ) or ("3501,681" ) or ("3586,255" ) or ("3663,184" ) or ("3760,238" ) or ("3770,874" ) or ("3839,727" ) or ("3871,015" ) or ("3897,871" ) or ("3916,080" ) or ("3942,187" ) or ("3959,577" ) or ("3986,255" ) or ("3993,123" ) or ("4074,342" ) or ("4113,578" ) or ("4113,587" ) or ("4168,480" ) or ("4244,002" ) or ("4257,905" ) or ("4266,282" ) or ("4273,859" ) or ("4382,517" ) or ("4449,580" ) or ("4473,263" ) or ("4505,029" ) or ("4511,873" ) or ("4532,576" ) or ("4545,610" ) or ("4563,697" ) or ("4565,901" ) or ("4657,146" ) or ("4661,375" ) or ("4673,772" ) or ("4733,813" ) or ("4752,027" ) or ("4763,829" ) or ("4783,722" ) or ("4817,850" ) or ("4830,264" ) or ("4840,302" ) or ("4855,809" ) or ("4878,611" ) or ("4893,403" ) or ("4897,508" ) or ("4897,918" ) or ("4927,505" ) or ("4931,410" ) or ("4940,181" ) or ("4948,754" ) or ("4950,623" ) or ("4962058" ) or ("4972988" ) or ("5019943" ) or ("5022580" ) or ("5024372" ) or ("5046161" ) or ("5048747" ) or ("5113314" ) or ("5130779" ) or ("5135155" ) or ("5147084" ) or ("5152451" ) or ("5154341" ) or ("5160409" ) or ("5162257" ) or ("5171711" ) or ("5194137" ) or ("5216280" ) or ("5227664" ) or ("5234149" ) or ("5239447" ) or ("5240881" ) or ("5250843" ) or ("5251806" ) or ("52580075" ) or ("525
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## EAST Search History

S56	184	(( "20010011764" ) or ("20010020745" ) or ("20010042918" ) or ("20020000665" ) or ("20020056742" ) or ("20020079576" ) or ("20020086520" ) or ("20020093098" ) or ("20020096764" ) or ("20020197842" ) or ("20030000738" ) or ("20030060040" ) or ("20030107137" ) or ("20030143830" ) or ("20030124833" ) or ("20030143830" ) or ("20040053483" ) or ("3105869" ) or ("3244947" ) or ("3259814" ) or ("3274458" ) or ("3316465" ) or ("3458925" ) or ("3461357" ) or ("3489965" ) or ("3501681" ) or ("3586255" ) or ("3663184" ) or ("3760238" ) or ("3770874" ) or ("3839727" ) or ("3871015" ) or ("3897871" ) or ("3916080" ) or ("3942187" ) or ("3959577" ) or ("3986255" ) or ("3993123" ) or ("4074342" ) or ("4113578" ) or ("4113587" ) or ("4168480" ) or ("4244002" ) or ("4257905" ) or ("4266282" ) or ("4273859" ) or ("4382517" ) or ("4449580" ) or ("4473263" ) or ("4505029" ) or ("4511873" ) or ("4532576" ) or ("4545610" ) or ("4563697" ) or ("4565901" ) or ("4657146" ) or ("4661375" ) or ("4673772" ) or ("4733813" ) or ("4752027" ) or ("4763829" ) or ("4783722" ) or ("4817850" ) or ("4830264" ) or ("4840302" ) or ("4855809" ) or ("4878611" ) or ("4893403" ) or ("4897508" ) or ("4897918" ) or ("4927505" ) or ("4931410" ) or ("4940181" ) or ("4948754" ) or ("4950623" ) or ("4962058" ) or ("4972988" ) or ("5019943" ) or ("5022580" ) or ("5024372" ) or ("5046161" ) or ("5048747" ) or ("5113314" ) or ("5130779" ) or ("5135155" ) or ("5147084" ) or ("5152451" ) or ("5154341" ) or ("5160409" ) or ("5162257" ) or ("5171711" ) or ("5194137" ) or ("5216280" ) or ("5227664" ) or ("5234149" ) or ("5239447" ) or ("5240881" ) or ("5250843" ) or ("5251805" ) or ("5258007" ) or ("525800755
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## EAST Search History

S57	1	("6380555").PN.	US-PGPUB; USPAT	OR	OFF	2006/01/09 10:40
S58	1	("6475896").PN.	US-PGPUB; USPAT	OR	OFF	2006/01/09 10:40